



STIC Search Report

EIC 1700

STIC Database Tracking Number: 212868

TO: Satya Sastri
Location: Remsen 10a30
Art Unit : 1713
January 17, 2007
Phone: 571-272-1112
Serial Number: 10 / 805,319

From: Jan Delaval
Location: EIC 1700
Remsen 4a30
Phone: 571-272-2504

jan.delaval@uspto.gov

Search Notes

Banks, Kendra

212868

From: SATYA SASTRI [satya.sastri@uspto.gov]
Sent: Friday, January 12, 2007 2:35 PM
To: STIC-EIC1700
Subject: Database Search Request, Serial Number: 10805319

Requester:
SATYA SASTRI (P/1713)
Art Unit:
GROUP ART UNIT 1713
Employee Number:
79815
Office Location:
REM 10A30
Phone Number:
(571)272-1112
Mailbox Number:

SCIENTIFIC REFERENCE BR
Sci & Tech Inf. Cntr

JAN 16 RECD

Pat. & T.M. Office

Case serial number:
10805319
Class / Subclass(es):

Earliest Priority Filing Date:
March 26, 2003
Format preferred for results:
Paper
Search Topic Information:
Composition as recited in amended claim 1 (dated 11/22/06).

The arylalkylidene acetic ester has the formula as shown in claim 2.
Special Instructions and Other Comments:

g

Jan
1/17/07

=> fil reg

FILE 'REGISTRY' ENTERED AT 16:24:14 ON 17 JAN 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 JAN 2007 HIGHEST RN 917560-96-4

DICTIONARY FILE UPDATES: 16 JAN 2007 HIGHEST RN 917560-96-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

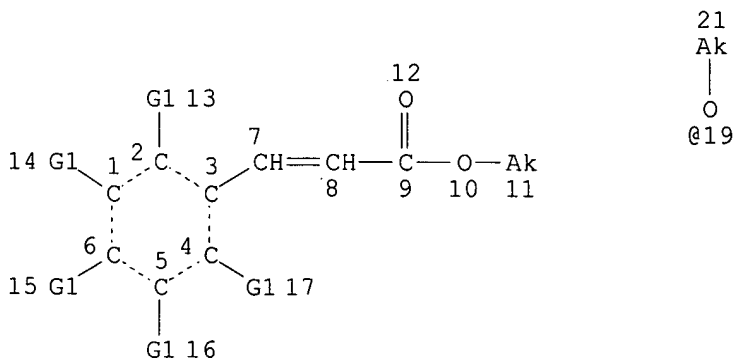
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d sta que 138

L12 5 SEA FILE=REGISTRY ABB=ON PLU=ON (25034-86-0/BI OR 52829-07-9/BI OR 5466-77-3/BI OR 9011-14-7/BI OR 9011-87-4/BI)

L13 STR



VAR G1=H/AK/19

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

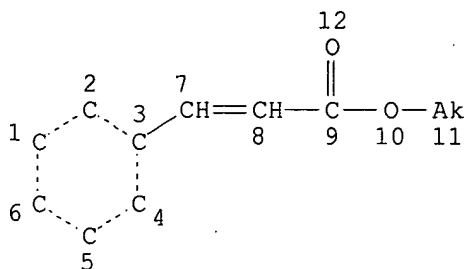
GRAPH ATTRIBUTES:

RSPEC 1

NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L15 STR



NODE ATTRIBUTES:

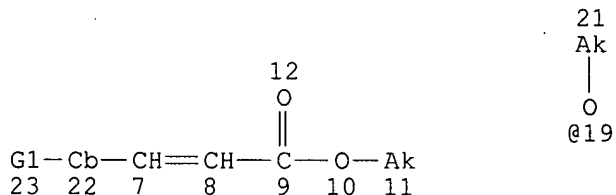
CONNECT IS E1 RC AT 11
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 1
 NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L17 11509 SEA FILE=REGISTRY SSS FUL L15
 L18 1197 SEA FILE=REGISTRY SUB=L17 CSS FUL L13
 L19 7 SEA FILE=REGISTRY ABB=ON PLU=ON L18 AND IDS/CI
 L20 2 SEA FILE=REGISTRY ABB=ON PLU=ON L19 AND (C18H26O3 OR C12H12O2)
 L21 1 SEA FILE=REGISTRY ABB=ON PLU=ON L12 AND L17
 L22 1189 SEA FILE=REGISTRY ABB=ON PLU=ON L18 NOT (L19 OR L20 OR L21)
 L28 STR



VAR G1=H/AK/19

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L29 841 SEA FILE=REGISTRY SUB=L22 CSS FUL L28
 L30 545 SEA FILE=REGISTRY ABB=ON PLU=ON L29 AND 1/NC
 L38 548 SEA FILE=REGISTRY ABB=ON PLU=ON (L20 OR L21 OR L30)

=> d his

(FILE 'HOME' ENTERED AT 16:03:33 ON 17 JAN 2007)
 SET COST OFF

FILE 'HCAPLUS' ENTERED AT 16:03:49 ON 17 JAN 2007

L1 E MAEKAWA/AU
1 S E3
E MAEKAWA T/AU
L2 213 S E3
L3 54 S E67,E69
E MAEKAWA NAME/AU
L4 6 S E4
E TOMO/AU
L5 8 S E22
E TOMOHIRO/AU
L6 1 S E3
E MANABE/AU
E MANABE K/AU
L7 47 S E3
L8 122 S E41,E44
E MANABE NAME/AU
L9 10 S E4
E KENJI/AU
L10 3 S E3
E KEN JI/AU
L11 1 S US20040192854/PN OR (US2004-805319# OR JP2003-85680)/AP,PRN
SEL RN

FILE 'REGISTRY' ENTERED AT 16:06:54 ON 17 JAN 2007

L12 5 S E1-E5
L13 STR
L14 9 S L13 CSS SAM
L15 STR L13
L16 50 S L15 SAM
L17 11509 S L15 FUL
L18 1197 S L13 CSS FUL SUB=L17
SAV L18 SASTRI805/A
L19 7 S L18 AND IDS/CI
L20 2 S L19 AND (C18H26O3 OR C12H12O2)
L21 1 S L12 AND L17
L22 1189 S L18 NOT L19-L21
L23 55 S L22 AND C8H8
L24 1 S L12 AND C8H8
L25 1 S 80-62-6
L26 0 S L25 AND 80-62-6/CRN
L27 892 S L22 AND 1/NC
L28 STR L13
L29 841 S L28 CSS FUL SUB=L22
SAV L29 SASTRI805A/A
L30 545 S L29 AND 1/NC
L31 1 S 100-42-5
L32 19536 S 100-42-5/CRN AND 80-62-6/CRN
L33 18 S L32 AND 2/NC
L34 15 S 100-42-5/CRN AND 1/NC AND C8H8
L35 4 S L34 AND HOMOPOLYMER
L36 30 S 80-62-6/CRN AND 1/NC AND C5H8O2
L37 4 S L36 AND HOMOPOLYMER
L38 548 S L20,L21,L30

FILE 'HCAPLUS' ENTERED AT 16:16:35 ON 17 JAN 2007

L39 8654 S L38
L40 120 S L39 AND (L31 OR L35) AND (L37 OR L25)
L41 6 S L39 AND L33
L42 123 S L40,L41

L43 71 S L42 AND PY<=2003 NOT P/DT
L44 32 S L42 AND (PD<=20030326 OR PRD<=20030326 OR AD<=20030326) AND P
L45 103 S L43,L44
L46 8 S L45 AND ?RESIN?
L47 1 S L1-L11 AND L42
L48 1 S SUMITOM?/PA,CS AND L42
L49 1 S L47,L48
E MOULDED PLASTIC/CT
E MOLDED PLASTIC/CT
E E4+ALL
L50 25099 S E2,E3
E E8+ALL
L51 46673 S E8,E9
E E17
L52 12701 S E8-E15
L53 2 S L45 AND L50-L52
L54 8 S L46-L49,L53
L55 4 S L54 AND PLASTIC?/SC,SX
L56 4 S L45 AND PLASTIC?/SC
L57 3 S L45 AND PLASTIC?/SX
L58 6 S L55-L57
E TRANSPARENT/CT
E E1+ALL
L59 3948 S E3
E E10+ALL
L60 13197 S E3,E4
L61 2 S L45 AND L59,L60
L62 7 S L58,L61
L63 25 S L45 AND US/PC
L64 26 S L45 AND US/PRC,AC
L65 26 S L63,L64
L66 21 S L65 NOT L62

FILE 'REGISTRY' ENTERED AT 16:24:14 ON 17 JAN 2007

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 16:24:29 ON 17 JAN 2007

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FILE COVERS 1907 - 17 Jan 2007 VOL 146 ISS 4

FILE LAST UPDATED: 16 Jan 2007 (20070116/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 162 bib abs hitind hitstr retable tot

L62 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:1314043 HCAPLUS
 DN 144:52728
 TI Improved structural and other composite materials, their manufacture, and article use
 IN Meirowitz, Randy E.; Dylan, Tyler M.
 PA Petritech, Inc., USA
 SO PCT Int. Appl., 145 pp.
 CODEN: PIXXD2
 DT **Patent**
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005118275	A2	20051215	WO 2005-US15870	20050506
	WO 2005118275	A3	20060309		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2005281999	A1	20051222	US 2005-61301	20050217 <--
PRAI	US 2004-840947	A	20040507		
	US 2004-918663	A	20040812		
	US 2004-947647	A	20040922		
	US 2005-61301	A	20050217		
	US 2003-388295	B2	20030312	<--	
	US 2004-799366	B2	20040312		
AB	Improved structural and other composite materials were developed which have desirable performance properties, including high compressive strength, high tensile strength, high shear strength, and high strength-to-weight ratio. The materials have the added benefits of ease of manufacture, and are inexpensive to manufacture. A variety of substances can be applied to the materials without melting, dissolving or degrading the basic structure. This facilitates bonding the materials to virtually any surface or substrate. Also, the bond between the materials and a variety of substrates is exceptionally strong, rendering the resulting bonded article suitable for use in a variety of demanding applications. The materials can be manufactured in a wide variety of sizes, shapes, densities, in multiple layers, and the like; and the performance properties can be evaluated in a variety of ways. An interpenetrating polymer network of polystyrene and an ethylene vinyl acetate copolymer (Arcel), and a polyurethane polymer matrix, was employed to generate a surfboard core structure that is both lightwt. and strong.				
IC	ICM B32B0003-26				
	ICS B32B0027-00; B32B0009-00				
CC	38-3 (Plastics Fabrication and Uses)				
	Section cross-reference(s): 58				
ST	porous resin bead filled urethane foam structural panel; surfboard porous resin bead filled urethane foam; diving board porous resin bead filled urethane foam				

- IT Plastic foams
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(Petrifoam type; improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Metallic fibers
RL: TEM (Technical or engineered material use); USES (Uses)
(aluminum; improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Polyamide fibers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(aramid; improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Wood
(fibers; improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Ashes (residues)
(fuel ash; improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Ceramics
Gravel
Honeycomb structures
Interpenetrating polymer networks
Paper
(improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Fluoropolymers, uses
Polyamides, uses
Polycarbonates, uses
Polycarbosilanes
Polyimides, uses
Polysaccharides, uses
Polysilanes
Polysulfones, uses
Polyvinyl butyrals
Rubber, uses
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Acrylic fibers, uses
Glass beads
Laminated plastics, uses
Molded plastics, uses
Perlite
Polypropene fibers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Construction materials
(panels; improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Polyurethanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyether-, cellular; improved structural and other composite materials of porous **resin** bead-filled urethane foam)
- IT Sporting goods
(surfboards; improved structural and other composite materials of porous **resin** bead-filled urethane foam)

IT 7440-44-0, Carbon, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (activated; improved structural and other composite materials of porous
resin bead-filled urethane foam)

IT 9002-88-4, Polyethylene 9003-07-0, Polypropylene **9003-53-6**,
 Polystyrene 9003-56-9, Acrylonitrile-butadiene-styrene copolymer
 24937-78-8, Ethylene vinyl acetate copolymer 122782-45-0, Arcel
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or
 engineered material use); USES (Uses)
 (beads; improved structural and other composite materials of porous
resin bead-filled urethane foam)

IT 9002-84-0, Poly(tetrafluoroethylene) 9002-85-1, Poly(vinylidene
 chloride) 9002-86-2, Poly(vinyl chloride) 9002-89-5, Poly(vinyl
 alcohol) 9003-00-3, Acrylonitrile-vinyl chloride copolymer 9003-05-8,
 Polyacrylamide 9003-09-2, Poly(methyl vinyl ether) 9003-17-2,
 Polybutadiene 9003-18-3, Acrylonitrile-butadiene copolymer 9003-19-4,
 Poly(vinyl ether) 9003-20-7, Poly(vinyl acetate) 9003-21-8,
 Poly(methyl acrylate) 9003-27-4, Polyisobutylene 9003-28-5,
 Poly(1-butene) 9003-31-0 9003-32-1, Poly(ethyl acrylate) 9003-39-8,
 Poly(vinylpyrrolidone) 9003-55-8, Styrene-butadiene copolymer
 9010-75-7, Chlorotrifluoroethylene vinylidene fluoride copolymer
 9010-79-1, Ethylene-propylene copolymer 9010-98-4, Poly(chloroprene)
9011-14-7, Poly(methyl methacrylate) 9011-17-0, Vinylidene
 fluoride-hexafluoropropylene copolymer 24937-79-9, Poly(vinylidene
 fluoride) **24968-99-8**, Poly(vinyl cinnamate) 24981-14-4,
 Poly(vinyl fluoride) 25014-41-9, Polyacrylonitrile 25038-57-7,
 Poly(methylene) 25067-11-2 25067-29-2, Poly(methyl-2-cyanoacrylate)
 25067-59-8, Poly(N-vinylcarbazole) 25734-83-2, Acrylonitrile-acrylamide
 copolymer 37218-15-8, Styrene-methylstyrene copolymer
 RL: POF (Polymer in formulation); TEM (Technical or engineered material
 use); USES (Uses)
 (improved structural and other composite materials of porous
resin bead-filled urethane foam)

IT 1318-00-9, Vermiculite 107231-99-2, Lytag 871320-62-6, Silmar SIL
 66BQ249A
 RL: TEM (Technical or engineered material use); USES (Uses)
 (improved structural and other composite materials of porous
resin bead-filled urethane foam)

IT **9003-53-6**, Polystyrene
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or
 engineered material use); USES (Uses)
 (beads; improved structural and other composite materials of porous
resin bead-filled urethane foam)

RN 9003-53-6 HCAPLUS
 CN Benzene, ethenyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

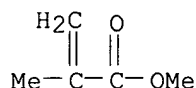
CMF C8 H8

H₂C=CH-Ph

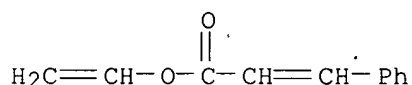
IT **9011-14-7**, Poly(methyl methacrylate) **24968-99-8**,
 Poly(vinyl cinnamate)
 RL: POF (Polymer in formulation); TEM (Technical or engineered material
 use); USES (Uses)
 (improved structural and other composite materials of porous

resin bead-filled urethane foam)

RN 9011-14-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 80-62-6
 CMF C5 H8 O2



RN 24968-99-8 HCAPLUS
 CN 2-Propenoic acid, 3-phenyl-, ethenyl ester, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 3098-92-8
 CMF C11 H10 O2



L62 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:856797 HCAPLUS
 DN 141:350862
 TI Reactive liquid polymer crosslinking agent and process for preparation
 IN Lazar, Warren G.; Clark, James A.
 PA USA
 SO U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U.S. Ser. No. 13,164, abandoned.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004200993	A1	20041014	US 2004-833816	20040427 <--
	US 2003168629	A1	20030911	US 2001-13164	20011210 <--
PRAI	US 2001-13164	B2	20011210	<--	

AB A reactive liquid crosslinking agent for use in the preparation of polymeric substances. The crosslinking agent comprises a substituted 1,3,5-triazine reacted with H₂O, an acid alkyl sulfonate and/or phosphonate and a solidifying modifier containing an hydroxyl functional group to form a substituted 1,3,5-triazine hydrate. The reactive liquid polymer crosslinking agent has a solids content between 20-99% solids. The reactive liquid crosslinking agents (RLPC's) are useful as modifiers in the preparation of polymeric compds. which are suitable for 1-component self-crosslinking adhesives, coatings and polymers used in optics, textiles, composites, casting and molding. RLPC systems containing from 1-30% RLPC provide fast single package thermosetting polymeric compds. with

enhanced properties such as chemical, heat and abrasion resistance.

IC ICM C09K0003-00

INCL 252182130

CC 37-6 (**Plastics** Manufacture and Processing)

IT Acrylic polymers, properties

Epoxy **resins**, properties

Polybenzimidazoles

Polyesters, properties

Polyoxyalkylenes, properties

Polyurethanes, properties

RL: POF (Polymer in formulation); PRP (Properties); USES (Uses)
(reactive liquid polymer crosslinking agent)

IT 9002-83-9, Poly(chlorotrifluoroethylene) 9002-84-0,
Poly(tetrafluoroethylene) 9002-86-2, Poly(vinyl chloride) 9002-88-4,
Polyethylene 9002-89-5, Poly(vinyl alcohol) 9002-98-6 9003-01-4,
Poly(acrylic acid) 9003-03-6, Poly(acrylic acid) ammonium salt
9003-04-7, Poly(acrylic acid) sodium salt 9003-05-8, Polyacrylamide
9003-06-9, Acrylamide-acrylic acid copolymer 9003-07-0, Polypropylene
9003-17-2, Polybutadiene 9003-18-3, Butadiene/acrylonitrile copolymer
9003-20-7, Poly(vinyl acetate) 9003-27-4, Polyisobutylene 9003-32-1,
Poly(ethyl acrylate) 9003-39-8, Poly(vinyl pyrrolidone) 9003-49-0,
Poly(n-butyl acrylate) **9003-53-6**, Polystyrene 9003-54-7,
Poly(styrene-acrylonitrile) 9003-55-8, Styrene/butadiene copolymer
9003-56-9, Acrylonitrile-butadiene-styrene copolymer 9003-70-7,
Poly(styrene/divinyl benzene) 9004-74-4, Poly(ethylene glycol) monomethyl
ether 9005-08-7, Poly(ethylene glycol) distearate 9005-09-8, Vinyl
chloride/vinyl acetate/maleic acid copolymer 9005-64-5,
Poly(oxyethylene)sorbitan monolaurate 9008-66-6 9010-75-7, Vinylidene
fluoride-chlorotrifluoroethylene copolymer 9010-76-8, Vinylidene
chloride/acrylonitrile copolymer 9010-77-9, Ethylene/acrylic acid
copolymer 9010-98-4, Poly(2-chloro-1,3-butadiene) 9011-13-6,
Poly(styrene/maleic anhydride) **9011-14-7**, PMMA 9011-15-8,
Poly(isobutyl methacrylate) 9011-16-9, Vinyl methyl ether/maleic
anhydride copolymer 9016-00-6D, Poly(dimethylsiloxane),
methylsilyl-terminated 9016-06-2, Poly(2-vinylpyridine-n-oxide)
9016-87-9, Poly[methylene(polyphenyl) isocyanate] 9017-27-0 9017-40-7,
4-Vinylpyridine divinylbenzene copolymer 9080-79-9 24936-41-2,
Poly(4-methylstyrene) 24936-50-3, Poly(4-bromostyrene) 24936-53-6,
Poly(p-iodostyrene) 24937-72-2, Poly(maleic anhydride) 24937-78-8,
Ethylene-vinyl acetate copolymer 24937-79-9, Poly(vinylidene fluoride)
24938-67-8, Poly(2,6-dimethyl-1,4-phenylene oxide) **24968-99-8**,
Poly(vinyl cinnamate) 24979-70-2, Poly(4-vinylphenol) 24979-82-6,
Poly(n-propyl acrylate) 24980-41-4, Polycaprolactone 24991-47-7,
Poly(4-chlorostyrene) 24991-55-7, Polyethylene glycol dimethyl ether
25014-12-4, Polymethacrylamide 25014-15-7, Poly(2-vinylpyridine)
25014-31-7 **25034-86-0**, Poly(styrene/methylmethacrylate)
25037-45-0, Poly(bisphenol a carbonate) 25038-53-3 25038-54-4,
Polycaprolactam, uses 25038-87-3, Poly(methyl vinyl ketone)
25053-27-4, Poly(vinylsulfonic acid) sodium salt 25067-05-4,
Poly(glycidyl methacrylate) 25067-34-9, Ethylene-vinyl alcohol copolymer
25067-59-8, Poly(n-vinylcarbazole) 25068-14-8, Polyacrolein
25068-26-2, Poly(4-methyl-1-pentene) 25085-35-2, Ethyl acrylate/acrylic
acid copolymer 25085-53-4 25085-83-0, Poly(benzyl methacrylate)
25086-15-1, Methyl methacrylate-methacrylic acid copolymer 25086-42-4,
Poly(4-aminostyrene) 25086-89-9, n-Vinylpyrrolidone-vinyl acetate
copolymer 25087-26-7, Poly(methacrylic acid) 25103-87-1,
Poly(1,4-butanediol adipate) 25119-64-6, Poly(itaconic acid)
25119-83-9, Butyl acrylate/acrylic acid copolymer 25134-01-4,
Poly(2,6-dimethyl-1,4-phenylene oxide) 25154-86-3 25189-00-8,
Poly(tert-butyl methacrylate) 25189-55-3, Poly(n-isopropylacrylamide)

25189-84-8, Poly(acryloyl chloride) 25190-06-1, Poly(tetramethylene ether glycol) 25212-86-6, Poly(furfuryl alcohol) 25213-34-7, 25232-41-1, Poly(4-vinylpyridine) 25233-30-1, Polyaniline 25248-42-4, Polycaprolactone 25249-16-5, Poly(2-hydroxyethyl methacrylate) 25266-02-8, Maleic anhydride-1-octadecene copolymer 25301-00-2, Poly(acrylic anhydride) 25322-69-4, Poly(propylene glycol) 25608-33-7, Methyl methacrylate-butyl methacrylate copolymer 25609-94-3, Poly(2-hydroxy-3-methacryloxypropyltrimethylammonium chloride) 25639-21-8, Poly(octadecyl methacrylate) 25655-35-0, Butadiene/maleic anhydride copolymer 25703-79-1, Poly(2-hydroxypropyl methacrylate) 25736-86-1, Poly(ethylene glycol) monomethacrylate 25805-17-8, Poly(2-ethyl-2-oxazoline) 25852-47-5, Poly(ethylene glycol) dimethacrylate 25852-49-7, Poly(propylene glycol) dimethacrylate 25988-32-3, Poly(methyl isopropenyl ketone) 25988-63-0 26009-03-0, Poly(glycolic acid) 26062-79-3, Poly(diallyl dimethylammonium chloride) 26099-09-2, Poly(maleic acid) 26100-51-6, Poly(dl-lactic acid) 26124-68-5, Poly(glycolic acid) 26142-30-3, Poly(propylene glycol) diglycidyl ether 26161-42-2 26246-92-4, Poly(lauryl acrylate) 26335-74-0, Poly(isobutyl acrylate) 26403-72-5, Poly(ethylene glycol) diglycidyl ether 26570-48-9, Poly(ethylene glycol) diacrylate 26655-84-5, 4-Methylstyrene/styrene copolymer 26655-94-7, Poly(isopropyl methacrylate) 26746-07-6, Poly(hexyl isocyanate) 26780-50-7 26915-72-0, Poly(ethylene glycol) monomethyl ether monomethacrylate 26937-45-1, Poly(methacryloyl chloride) 28474-30-8 28551-45-3, Poly(amylyl methacrylate) 28805-15-4, Poly(methacrylic acid), ammonium salt 29435-48-1, Poly[(-)3-hydroxybutyric acid] 29471-77-0, Poly(2-vinyl-1-methylpyridinium bromide) 29500-86-5, Poly(decyl acrylate) 29690-74-2 29792-49-2, Poly(vinylamine) hydrochloride 30581-59-0 30604-81-0, Polypyrrole 30729-36-3, Poly(4-hydroxybenzoic acid) 31245-56-4 31693-08-0, 2-Hydroxyethyl methacrylate-methacrylic acid copolymer 31900-57-9D, Poly(dimethylsiloxane), methylsilyl-terminated 32131-17-2, Poly(hexamethylene adipamide), uses 34801-99-5, Poly(vinyl ferrocene) 39420-45-6, Poly(propylene glycol) monomethacrylate 50851-57-5, Poly(styrenesulfonic acid) 54193-36-1, Poly(methacrylic acid), sodium salt 62962-69-0 67665-18-3 68912-04-9 71550-12-4, Poly(allylamine hydrochloride) 78274-32-5 82063-35-2 84928-92-7, Poly(3-methylthiophene) 86846-19-7, Acrylamidoxime-divinylbenzene copolymer 104934-51-2, Poly(3-octylthiophene) 104983-61-1 105729-79-1, Styrene-isoprene block copolymer 126969-21-9 156309-06-7, Dimethylsiloxane-ethylene oxide block copolymer 178402-40-9 184713-15-3 226984-81-2, Butyl acrylate-2-methacryloyloxyethyltrimethylammonium bromide copolymer 391201-84-6, Acrylamide-2-methacryloyloxyethyltrimethylammonium bromide copolymer 776304-98-4

RL: POF (Polymer in formulation); USES (Uses)
(reactive liquid polymer crosslinking agent)

IT 9003-53-6, Polystyrene 9011-14-7, PMMA
24968-99-8, Poly(vinyl cinnamate) 25034-86-0,
Poly(styrene/methylmethacrylate)

RL: POF (Polymer in formulation); USES (Uses)
(reactive liquid polymer crosslinking agent)

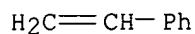
RN 9003-53-6 HCAPLUS

CN Benzene, ethenyl-, homopolymer (9CI) (CA INDEX NAME)

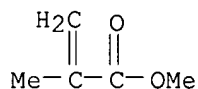
CM 1

CRN 100-42-5

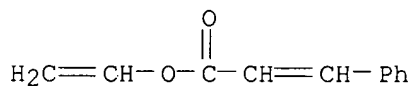
CMF C8 H8



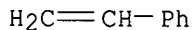
RN 9011-14-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 80-62-6
 CMF C5 H8 O2



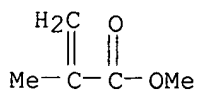
RN 24968-99-8 HCAPLUS
 CN 2-Propenoic acid, 3-phenyl-, ethenyl ester, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 3098-92-8
 CMF C11 H10 O2



RN 25034-86-0 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene (9CI) (CA INDEX NAME)
 CM 1
 CRN 100-42-5
 CMF C8 H8



CM 2
 CRN 80-62-6
 CMF C5 H8 O2



L62 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:802595 HCAPLUS
 DN 141:315148
 TI Arylalkylidene acetic ester-containing **resin** composition and
 molded transparent article thereof
 IN **Maekawa, Tomohiro; Manabe, Kenji**
 PA **Sumitomo Chemical Company, Limited, Japan**
 SO U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DT **Patent**
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004192854	A1	20040930	US 2004-805319	20040322 <--
	KR 2004084756	A	20041006	KR 2004-19919	20040324 <--
	CN 1536017	A	20041013	CN 2004-10032641	20040324 <--
	JP 2004307852	A	20041104	JP 2004-88618	20040325 <--
PRAI	JP 2003-85680	A	20030326	<--	

AB A **resin** composition comprising a 2-(1-arylalkylidene) acetic ester
 and at least one **resin** selected from a Me methacrylate
resin, a styrene **resin** and a Me methacrylate-styrene
 copolymer **resin** is provided, wherein the acetic ester is
 contained in the composition in an amount of from about 0.0005 part by weight

to
 about 0.1 part by weight with respect to 100 parts by weight of the
resin. The **resin** composition is improved in durability
 without deteriorating the excellent properties of the **resin**,
 such as being colorless and transparent. Thus, Me acrylate-Me
 methacrylate copolymer 100 and 2-ethylhexyl 2-
 (paramethoxybenzylidene)acetate 0.003 part were extruded to give a molding
 sample showing good transparency.

IC ICM C08L0061-04

INCL 525308000

CC 37-6 (**Plastics** Manufacture and Processing)

Section cross-reference(s): **38**

ST arylalkylidene acetate acrylic **resin** compn molding transparent
 plastic; ethylhexyl methoxybenzylidene acetate UV absorber PMMA molding
 transparency

IT Optical waveguides

Transparent materials

UV stabilizers

(arylalkylidene acetic ester-containing **resin** composition and molded
 transparent article thereof)

IT **Molded plastics, properties**

RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)

(arylalkylidene acetic ester-containing **resin** composition and molded
 transparent article thereof)

IT 9011-14-7P, PMMA **25034-86-0P**, Methyl methacrylate-styrene
 copolymer

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP
 (Properties); TEM (Technical or engineered material use); PREP
 (Preparation); USES (Uses)

(arylalkylidene acetic ester-containing **resin** composition and molded
 transparent article thereof)

IT **5466-77-3** 52829-07-9, TINUVIN 770

RL: MOA (Modifier or additive use); USES (Uses)

(arylalkylidene acetic ester-containing **resin** composition and molded
 transparent article thereof)

IT 9011-87-4, Methyl acrylatemethyl methacrylate copolymer
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (arylakylidene acetic ester-containing **resin** composition and molded transparent article thereof)

IT **25034-86-0P**, Methyl methacrylate-styrene copolymer
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (arylakylidene acetic ester-containing **resin** composition and molded transparent article thereof)

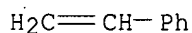
RN 25034-86-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

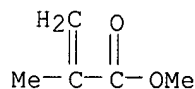
CMF C8 H8



CM 2

CRN 80-62-6

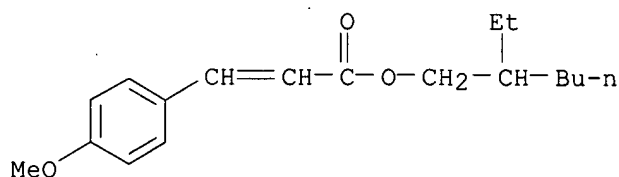
CMF C5 H8 O2



IT **5466-77-3**
 RL: MOA (Modifier or additive use); USES (Uses)
 (arylakylidene acetic ester-containing **resin** composition and molded transparent article thereof)

RN 5466-77-3 HCAPLUS

CN 2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester (9CI) (CA INDEX NAME)



L62 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 2000:535332 HCAPLUS

DN 133:128841

TI Matrix assisted pulsed laser evaporation direct write in microelectronics

IN Chrisey, Douglas B.; McGill, R. Andrew; Pique, Alberto

PA United States Dept. of the Navy, USA

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT **Patent**

LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000044960	A1	20000803	WO 2000-US1649	20000127 <--
	W: AU, CA, JP, KR, MX				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 6177151	B1	20010123	US 1999-318134	19990525 <--
PRAI	US 1999-117468P	P	19990127	<--	
	US 1999-318134	A	19990525	<--	

AB A device for depositing a transfer material onto a receiving substrate includes a source of pulsed laser energy, a receiving substrate, and a target substrate, which comprises a laser transparent support having a back and a front surface. The front surface has a coating comprising a mixture of the transfer material, and a matrix material having the property that, when it is exposed to pulsed laser energy, it is more volatile than the transfer material. The pulsed laser is positioned relative to the target substrate, so sufficient pulsed laser energy is directed through the back of the laser-transparent support to strike the coating at a defined location to volatilize the matrix material, causing the coating to desorb from the location and be lifted off the support. The receiving substrate is positioned spaced from the target substrate, so transfer material in the desorbed coating can be deposited at a defined location on the receiving substrate. This process uses laser-positioning means, target substrate positioning means and receiving substrate positioning means.

IC ICM C23C0014-28

ICS C23C0014-32; C23C0014-58; C23C0014-04; C23C0014-02; B05B0017-04

CC 76-14 (Electric Phenomena)

Section cross-reference(s): 6, 9, 73, 74, 75, 79

IT Aerosols

Annealing

Ceramics

Colloids

Desorption

Dielectric films

Electric insulators

Electrooptical materials

Electrophoretic deposition

Etching

Ferrimagnetic materials

Ferroelectric materials

Ferromagnetic materials

Ink-jet printing

Jets

Lasers

Mixing

Phosphors

Piezoelectric materials

Positive photoresists

Screen printing

Sedimentation (separation)

Semiconductor materials

Suspensions

Transparent materials

Vapor deposition process

Volatile substances

(matrix assisted pulsed laser evaporation direct write in microelectronics using)

IT 7664-38-2, Phosphoric acid, uses 7699-45-8, Zinc bromide 7732-18-5, Water, uses 9002-81-7, Poly(oxyethylene) 9002-84-0, Polytetrafluoroethylene 9003-01-4, Polyacrylic acid 9003-20-7, Polyvinyl acetate 9003-35-4, Phenol-formaldehyde copolymer **9003-53-6**, Polystyrene 9003-63-8, Poly(butyl methacrylate) 9004-70-0, Nitrocellulose **9011-14-7**, PMMA **24968-99-8**, KPR 25014-31-7, Poly(α -methylstyrene) 25038-02-2 25067-59-8, Poly-N-vinylcarbazole 25087-26-7D, Polymethacrylic acid, derivs. 25189-00-8, Poly(tert-butyl methacrylate) 25988-32-3, Poly(methyl isopropenyl ketone) 52501-13-0, Polyvinyl ketone
 RL: NUU (Other use, unclassified); USES (Uses)

(matrix; matrix assisted pulsed laser evaporation direct write in microelectronics using)

IT **9003-53-6**, Polystyrene **9011-14-7**, PMMA **24968-99-8**, KPR

RL: NUU (Other use, unclassified); USES (Uses)

(matrix; matrix assisted pulsed laser evaporation direct write in microelectronics using)

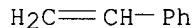
RN 9003-53-6 HCAPLUS

CN Benzene, ethenyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

CMF C8 H8



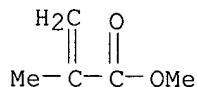
RN 9011-14-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 80-62-6

CMF C5 H8 O2



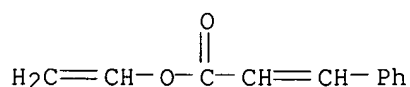
RN 24968-99-8 HCAPLUS

CN 2-Propenoic acid, 3-phenyl-, ethenyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 3098-92-8

CMF C11 H10 O2



RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Braudy	1973			US 3745586 A	
Cook	1990			US 4895735 A	HCAPLUS
Itoh	1987			US 4702958 A	
Joyce	1994			US 5292559 A	HCAPLUS
Landsman	1977			US 4064205 A	
McGill	2000			US 6025036 A	HCAPLUS
Meneghini	1995			WO 9513195	HCAPLUS
Opower	1996			US 5492861 A	
Ostrowsky	1971			DE 2113336 A1	
Tatah	1996			US 5567336 A	
Von Gutfeld, R	1974	17	1807	IBM Technical Disclo	
Williams	1991			US 4987006 A	HCAPLUS

L62 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 1997:9865 HCAPLUS

DN 126:108655

TI Sunscreen compositions comprising a metal oxide flake and UV
absorbent-encapsulated polymer **resins**

IN Yoshioka, Takatsugu; Masuda, Hisatoshi; Tanaka, Hidekazu

PA The Procter & Gamble Company, USA

SO U.S., 11 pp., Cont.-in-part of U.S. Ser. No. 849,923, abandoned.

CODEN: USXXAM

DT **Patent**

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5585090	A	19961217	US 1994-199867	19940222 <--
PRAI	US 1992-849923	B2	19920312	<--	

AB A useful cosmetic having high UV-screening effects (sunscreening effects) is disclosed having an excellent safety, and giving a natural makeup finish. This composition comprises a metal oxide flake having an average thickness

of from 0.01 to 3 μm , and an average size of from 1 to 100 μm , and a UV absorbent-encapsulated polymer **resin** particle obtained by polymerization of a polymer **resin** monomer uniformly mixed with an UV absorbent. A sunscreen oil contained octyldimethyl-p-aminobenzoate (I) 4.0, 4-t-butyl-4'-methoxybenzoylmethane 1.0, tocopherol acetate 0.1, titanium oxide flake 10.0, polymethylmethacrylate particles containing I and 4-tert-butyl-4'-methoxy-dibenzoylmethane (preparation given) 1.0, perfumes q.s., and volatile silicone q.s. 100.0%.

IC ICM A61K0007-43

ICS A61K0007-44

INCL 424059000

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

IT Vinyl compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(polymers; sunscreen compns. comprising metal oxide flake and UV

absorbent-encapsulated polymer **resins**)

IT Sunscreens
(sunscreens comprising metal oxide flake and UV
absorbent-encapsulated polymer **resins**)

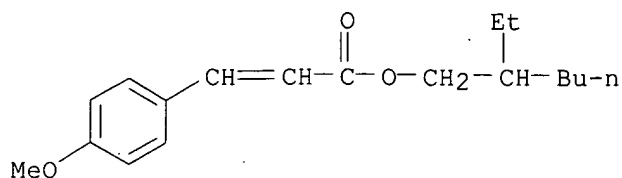
IT Acrylic polymers, biological studies
Oxides (inorganic), biological studies
Polyamides, biological studies
Polyesters, biological studies
Polymers, biological studies
Polyolefins
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(sunscreens comprising metal oxide flake and UV
absorbent-encapsulated polymer **resins**)

IT 69-72-7, Salicylic acid, biological studies 69-72-7D, Salicylic acid,
derivs. 104-98-3, Urocanic acid 104-98-3D, Urocanic acid, derivs.
118-56-9, Homomenthyl salicylate 118-60-5, 2-Ethylhexyl salicylate
119-61-9D, Benzophenone, derivs. 131-53-3, 2,2'-DiHydroxy-4-
methoxybenzophenone 131-55-5, 2,2',4,4'-Tetrahydroxybenzophenone
131-56-6, 2,4-Dihydroxybenzophenone 131-57-7D, 2-Hydroxy-4-
methoxybenzophenone, derivs. 134-20-3, Methyl o-amino-benzoate
136-44-7, Glyceryl p-aminobenzoate 150-13-0, p-Aminobenzoic acid
150-13-0D, p-Aminobenzoic acid, derivs. 621-82-9, Cinnamic acid,
biological studies 621-82-9D, Cinnamic acid, derivs. 1314-13-2, Zinc
oxide, biological studies 1314-23-4, Zirconium oxide, biological studies
1843-05-6, Octabenzene 2174-16-5 4065-45-6D, 2-Hydroxy-4-
methoxybenzophenone-5-sulfonic acid, derivs. 5232-99-5, Ethyl
2-cyano-3,3-diphenylacrylate **5466-77-3**, 2-Ethylhexyl
p-methoxycinnamate 6197-30-4, 2-Ethylhexyl-2-cyano-3,3-diphenyl acrylate
9003-53-6, Polystyrene 13463-67-7, Titanium oxide, biological
studies 21245-02-3 27503-81-7, 2-Phenyl-5-benzimidazolesulfonic acid
27538-35-8, Ethyl urocanate 36861-47-9, 3-(4-Methylbenzylidene)camphor
63250-25-9, 4-Isopropylidenedibenzoylmethane 70356-09-1, 4-tert-Butyl-4-
'methoxybenzoylmethane 79461-57-7 178949-76-3, p-Methoxyhydrocinnamic
acid diethanolamine salt
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(sunscreens comprising metal oxide flake and UV
absorbent-encapsulated polymer **resins**)

IT **9011-14-7P**, Polymethylmethacrylate 25086-15-1P, Methacrylic
acid-methyl methacrylate copolymer
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(sunscreens comprising metal oxide flake and UV
absorbent-encapsulated polymer **resins**)

IT **5466-77-3**, 2-Ethylhexyl p-methoxycinnamate **9003-53-6**,
Polystyrene
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(sunscreens comprising metal oxide flake and UV
absorbent-encapsulated polymer **resins**)

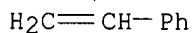
RN **5466-77-3** HCAPLUS
CN 2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester (9CI) (CA
INDEX NAME)



RN 9003-53-6 HCAPLUS
 CN Benzene, ethenyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5
 CMF C8 H8

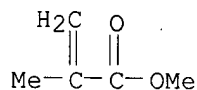


IT 9011-14-7P, Polymethylmethacrylate
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (sunscreen comps. comprising metal oxide flake and UV absorbent-encapsulated polymer **resins**)

RN 9011-14-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 80-62-6
 CMF C5 H8 O2



L62 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 1980:67675 HCAPLUS
 DN 92:67675
 TI Sensitivity and contrast of some proton-beam resists
 AU Brault, Robert G.; Miller, Leroy J.
 CS Hughes Res. Lab., Malibu, CA, 90265, USA
 SO Technical Papers, Regional Technical Conference - Society of Plastics Engineers (1979), (Photopolym.: Princ., Processes Mater., Oct. 10, 12), 91-105
 CODEN: TPRED8; ISSN: 0099-3492
 DT Journal
 LA English
 AB Fifteen neg. and 4 pos. resists were tested to determine their proton-beam sensitivity and contrast. The ratio of the required 20-keV electron dose (QE) to the required 100-keV proton dose (Qp) ranged from a low value of 7.8 to a high value of 270. A plot of log QE as a function of log Qp is roughly linear and suggests that the advantage of proton beams generally diminishes as the sensitivity of the resist increases. For comparing neg.

resists, the most meaningful figure of merit is the product of Qp and the weight-average mol. weight (.hivin.Mw). This product was almost constant for a series

of narrow dispersivity polystyrenes over the .hivin.Mw range of 20,000 to 2,600,000.

CC 74-6 (Radiation Chemistry, Photochemistry, and Photographic Processes)

Section cross-reference(s): 36

IT 9002-86-2 9003-20-7 9003-39-8 9003-53-6 9011-14-7

9011-14-7D, anhydride-crosslinked 9017-21-4 9080-67-5

24936-50-3 24968-99-8 24991-47-7 25038-87-3 25053-15-0

25189-00-8 25704-33-0 26009-55-2 26591-04-8 30872-09-4

RL: USES (Uses)

(proton-beam resists, sensitivity and contrast of)

IT 9003-53-6 9011-14-7 9011-14-7D,
anhydride-crosslinked 24968-99-8

RL: USES (Uses)

(proton-beam resists, sensitivity and contrast of)

RN 9003-53-6 HCAPLUS

CN Benzene, ethenyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

CMF C8 H8

$\text{H}_2\text{C}=\text{CH}-\text{Ph}$

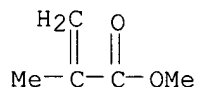
RN 9011-14-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 80-62-6

CMF C5 H8 O2



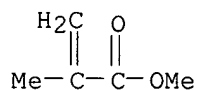
RN 9011-14-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 80-62-6

CMF C5 H8 O2



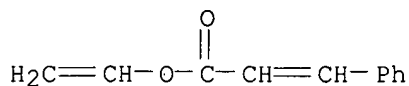
RN 24968-99-8 HCAPLUS

CN 2-Propenoic acid, 3-phenyl-, ethenyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 3098-92-8

CMF C11 H10 O2



L62 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 1965:44614 HCAPLUS

DN 62:44614

OREF 62:7947a-c

TI Dyeable polyesters

IN Tsuji, Takaakira; Matsubayashi, Kanji; Sugie, Chihiro; Tanabe, Kenichi

PA Kurashiki Rayon Co., Ltd.

SO 6 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1365521		19640703	FR 1963-936463	19630529 <--
	JP 41010999		1966	JP	<--
PRAI	JP		19620530		<--

AB Modified polyesters and polycondensation products having increased dye affinity are prepared from unsatd. carboxylic acids and acrylic polymers. Me methacrylate is polymerized in solution with Bz2O2 as catalyst and AcOH as solvent. Similarly, copolymers of Me acrylate and styrene are prepared by using CCl4 and dioxane as solvents. For example, a mixture of di-Me terephthalate, ethylene glycol, Zn(OAc)2, and Sb2O3 was heated for 3 hrs. at 170-190° and for 0.5 hr. at 240-50° in the presence of N. A homopolymer or copolymers were added and heated in vacuo at 260-80° for 0.5 hr. and at 1 mm. for 6 hrs. A polyester containing 80% and 20% (Me acrylate gives a clear solution of poly(ethylene terephthalate). This polyester material, when heated for 2 hrs. at 98° in a dispersed dye aqueous solution containing an acrylic or methacrylic ester, dyes a deep shade which is resistant to light.

IC C08G; D01F

CC 48 (Plastics Technology)

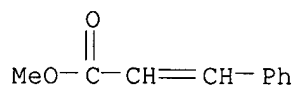
IT 103-26-4, Cinnamic acid, methyl ester, polymers with styrene (1,4-cyclohexanedimethanol polyester with terephthalic acid modified by)

IT 25034-86-0, Methyl methacrylate, polymer with styrene 25036-19-5, 2-Propenoic acid, methyl ester, polymer with ethenylbenzene (terephthalic acid polyethylene esters modified by, with dyeability improved)

IT 103-26-4, Cinnamic acid, methyl ester, polymers with styrene (1,4-cyclohexanedimethanol polyester with terephthalic acid modified by)

RN 103-26-4 HCAPLUS

CN 2-Propenoic acid, 3-phenyl-, methyl ester (9CI) (CA INDEX NAME)



IT 25034-86-0, Methyl methacrylate, polymer with styrene
(terephthalic acid polyethylene esters modified by, with dyeability improved)

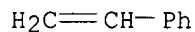
RN 25034-86-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene
(9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

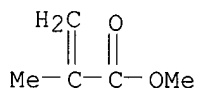
CMF C8 H8



CM 2

CRN 80-62-6

CMF C5 H8 O2



=> => d his

(FILE 'HOME' ENTERED AT 16:03:33 ON 17 JAN 2007)
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FILE 'HCAPLUS' ENTERED AT 16:03:49 ON 17 JAN 2007

		E MAEKAWA/AU
L1	1	S E3
		E MAEKAWA T/AU
L2	213	S E3
L3	54	S E67, E69
		E MAEKAWA NAME/AU
L4	6	S E4
		E TOMO/AU
L5	8	S E22
		E TOMOHIRO/AU
L6	1	S E3
		E MANABE/AU
		E MANABE K/AU
L7	47	S E3
L8	122	S E41, E44
		E MANABE NAME/AU
L9	10	S E4
		E KENJI/AU

jan delaval - 17 january 2007

L10 3 S E3
E KEN JI/AU
L11 1 S US20040192854/PN OR (US2004-805319# OR JP2003-85680)/AP, PRN
SEL RN

FILE 'REGISTRY' ENTERED AT 16:06:54 ON 17 JAN 2007

L12 5 S E1-E5
L13 STR
L14 9 S L13 CSS SAM
L15 STR L13
L16 50 S L15 SAM
L17 11509 S L15 FUL
L18 1197 S L13 CSS FUL SUB=L17
SAV L18 SASTRI805/A
L19 7 S L18 AND IDS/CI
L20 2 S L19 AND (C18H26O3 OR C12H12O2)
L21 1 S L12 AND L17
L22 1189 S L18 NOT L19-L21
L23 55 S L22 AND C8H8
L24 1 S L12 AND C8H8
L25 1 S 80-62-6
L26 0 S L25 AND 80-62-6/CRN
L27 892 S L22 AND 1/NC
L28 STR L13
L29 841 S L28 CSS FUL SUB=L22
SAV L29 SASTRI805A/A
L30 545 S L29 AND 1/NC
L31 1 S 100-42-5
L32 19536 S 100-42-5/CRN AND 80-62-6/CRN
L33 18 S L32 AND 2/NC
L34 15 S 100-42-5/CRN AND 1/NC AND C8H8
L35 4 S L34 AND HOMOPOLYMER
L36 30 S 80-62-6/CRN AND 1/NC AND C5H8O2
L37 4 S L36 AND HOMOPOLYMER
L38 548 S L20, L21, L30

FILE 'HCAPLUS' ENTERED AT 16:16:35 ON 17 JAN 2007

L39 8654 S L38
L40 120 S L39 AND (L31 OR L35) AND (L37 OR L25)
L41 6 S L39 AND L33
L42 123 S L40, L41
L43 71 S L42 AND PY<=2003 NOT P/DT
L44 32 S L42 AND (PD<=20030326 OR PRD<=20030326 OR AD<=20030326) AND P
L45 103 S L43, L44
L46 8 S L45 AND ?RESIN?
L47 1 S L1-L11 AND L42
L48 1 S SUMITOM?/PA, CS AND L42
L49 1 S L47, L48
E MOULDED PLASTIC/CT
E MOLDED PLASTIC/CT
E E4+ALL
L50 25099 S E2, E3
E E8+ALL
L51 46673 S E8, E9
E E17
L52 12701 S E8-E15
L53 2 S L45 AND L50-L52
L54 8 S L46-L49, L53
L55 4 S L54 AND PLASTIC?/SC, SX
L56 4 S L45 AND PLASTIC?/SC

L57 3 S L45 AND PLASTIC?/SX
L58 6 S L55-L57
E TRANSPARENT/CT
E E1+ALL
L59 3948 S E3
E E10+ALL
L60 13197 S E3,E4
L61 2 S L45 AND L59,L60
L62 7 S L58,L61
L63 25 S L45 AND US/PC
L64 26 S L45 AND US/PRC,AC
L65 26 S L63,L64
L66 21 S L65 NOT L62

FILE 'REGISTRY' ENTERED AT 16:24:14 ON 17 JAN 2007

FILE 'HCAPLUS' ENTERED AT 16:24:29 ON 17 JAN 2007

L67 0 S L45 AND PLASTIC?/CW,CT NOT L62-L66

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